

Algebra 2 Trig Exact Values

Name _____

Find the reference angle.

1. 42° _____ 2. 155° _____ 3. -200° _____ 4. 490° _____

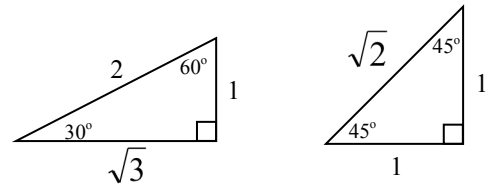
Convert each degree measure to radian measure, exact answers.

5. 18° _____ 6. 45° _____ 7. 120° _____ 8. 330° _____

Convert each radian measure to degree measure. Round to the nearest tenth.

9. $\frac{\pi}{6}$ _____ 10. $\frac{2\pi}{3}$ _____ 11. 3.4 _____ 12. $\frac{5\pi}{3}$ _____

VI. Find each trigonometric function value. Give exact answers!



13. $\sin 45^\circ$ _____ 14. $\tan 30^\circ$ _____ 15. $\cos 210^\circ$ _____ 16. $\sin -240^\circ$ _____

17. $\sin 135^\circ$ _____ 18. $\tan 480^\circ$ _____ 19. $\cos 315^\circ$ _____ 20. $\tan 225^\circ$ _____

21. $\cos \frac{\pi}{6}$ _____ 22. $\tan \frac{3\pi}{4}$ _____ 23. $\sin 2\pi$ _____ 24. $\sin \frac{5\pi}{4}$ _____